Intraplex Transmission Solutions
Internal Harris MCD Price List

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Multiplexer Systems

The standard equipment shelf for all Intraplex multiplexers is 19" (48.3 cm) rack-mount unit, three rack units (5.75" or 14.6 cm) high.

ACS-160 Series T1 Multiplexers

ACS-163 T1 Terminal Multiplexer
Includes the CM-5 T1 common module with module adapter and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-163-XXY	Standard shelf with 60W power supply	$3,650	$2,806.56
ACS-163-A1Y	Standard shelf with 115/130 VAC 100W power supply	$4,200	$3,229.92

ACS-165 T1 Drop and Insert Multiplexer
Includes two CM-5 T1 common modules with module adapters and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-165-XXY	Standard shelf with 60W power supply	$5,300	$3,735.36
ACS-165-A1Y	Standard shelf with 115/130 VAC 100W power supply	$5,850	$4,124.16

ACS-166 T1 Dual Terminal Multiplexer
Includes two CM-5 T1 common modules with module adapters and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-166-XXY	Standard shelf with 60W power supply	$6,400	$4,921.92
ACS-166-A1Y	Standard shelf with 115/130 VAC 100W power supply	$6,950	$5,343.84

ACS-260 Series E1 Multiplexers

ACS-263 E1 Terminal Multiplexer
Includes the CM-7 E1 common module with module adapter and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-263-XXY	Standard shelf with 60W power supply	$3,650	$2,806.56
ACS-263-A1Y	Standard shelf with 115/130 VAC 100W power supply	$4,200	$3,229.92

ACS-265 E1 Drop and Insert Multiplexer
Includes two CM-7 E1 common modules with module adapters and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-265-XXY	Standard shelf with 60W power supply	$5,300	$3,735.36
ACS-265-A1Y	Standard shelf with 115/130 VAC 100W power supply	$5,850	$4,124.16

ACS-266 E1 Dual Terminal Multiplexer
Includes two CM-7 E1 common modules with module adapters and one power supply.

Order Code	Configuration	List Price	Harris Sell Price
ACS-266-XXY	Standard shelf with 60W power supply	$6,400	$4,921.92
ACS-266-A1Y	Standard shelf with 115/130 VAC 100W power supply	$6,950	$5,343.84

-XX = power supply selection: -24 for -24V   +24 for +24V   -48 for -48V   -AC for universal AC

Y = T1/E1 interface: A = DB-15 120 Ohm   B= BNC 75 Ohm   C = RJ-45 120 Ohm

CrossConnect Systems

The standard equipment shelf for all Intraplex multiplexers is 19" (48.3 cm) rack-mount unit, three rack units (5.75" or 14.6 cm) high.

DCS-9500 Series T1 CrossConnects

DCS-9530 T1 CrossConnect System
Each system enables cross-connect switching among six T1 circuits.

Order Code	Configuration	List Price	Harris Sell Price
DCS-9530-XXY	Standard shelf with 60W power supply	$4,030	$3,356.64
DCS-9530-A1Y	Standard shelf with 115/130 VAC 100W power supply	$4,580	$3,816.00

DCS-9560 T1 CrossConnect Server
Each system enables cross-connect switching among six T1 circuits and accommodates individual channel units for local termination of up to 24 time slots (one T1).

Order Code	Configuration	List Price	Harris Sell Price
DCS-9560-XXY	Standard shelf with 60W power supply	$6,130	$5,106.24
DCS-9560-A1Y	Standard shelf with 115/130 VAC 100W power supply	$6,680	$5,564.16

DCS-9565 T1 CrossConnect Server
Each system enables cross-connect switching among six T1 circuits and accommodates individual channel units for local termination of up to 48 time slots (two T1s).

Order Code	Configuration	List Price	Harris Sell Price
DCS-9565-XXY	Dual T1 CrossConnect Server with 60W universal AC power supply, integral CSU's and	$8,230	$6,855.84
DCS-9565-A1Y	Dual T1 CrossConnect Server with 100W universal AC power supply, integral CSU's and RJ-48C T1 connectors	$8,780	$7,313.76

DCS-9500E E1 Series CrossConnects

DCS-9530E E1 CrossConnect System
Each system enables cross-connect switching among six E1 circuits.

Order Code	Configuration	List Price	Harris Sell Price
DCS-9530E-XXY	Standard shelf with 60W power supply	$4,030	$3,356.64
DCS-9530E-A1Y	Standard shelf with 115/130 VAC 100W power supply	$4,580	$3,816.00

DCS-9560E E1 CrossConnect Server
Each system enables cross-connect switching among six E1 circuits and accommodates individual channel units for local termination of up to 31 time slots (one E1).

Order Code	Configuration	List Price	Harris Sell Price
DCS-9560E-XXY	Standard shelf with 60W power supply	$6,130	$5,106.24
DCS-9560E-A1Y	Standard shelf with 115/130 VAC 100W power supply	$6,680	$5,564.16

DCS-9565E E1 CrossConnect Server
Each system enables cross-connect switching among six E1 circuits and accommodates individual channel units for local termination of up to 62 time slots (two E1s).

Order Code	Configuration	List Price	Harris Sell Price
DCS-9565E-XXY	Dual E1 CrossConnect Server with 60W universal AC power supply and BNC E1 connectors	$8,230	$6,855.84
DCS-9565E-A1Y	Dual E1 CrossConnect Server with 100W universal AC power supply and BNC E1 connectors	$8,780	$7,313.76

-XX = power supply selection: -24 for -24V   +24 for +24V   -48 for -48V   -AC for universal AC

Y = T1/E1 interface: A = DB-15 120 Ohm   B= BNC 75 Ohm   C = RJ-45 120 Ohm

Add-On Packages

DCS-9560 T1 Add-On Packages

Order Code	Configuration	List Price	Harris Sell Price
DCS-ADD-T1A	Upgrades a DCS-9530 to a DCS-9560, or upgrades a DCS-9560 to a DCS-9565. This package includes one CM-5, one MA-216, and one CA-414 DB-15 to DB-15 cable assembly. For systems with DB-15 T1 connectors.	$2,330	$1,941.12
DCS-ADD-T1C	Upgrades a DCS-9530 to a DCS-9560, or upgrades a DCS-9560 to a DCS-9565. This package includes one CM-5, one MA-216, one CA-417 DB-15 to RJ-48C adapter and one CA-418 RJ-48C cable. For systems with RJ-48C T1 connectors.	$2,330	$1,941.12

DCS-9560E E1 Add-On Packages

Order Code	Configuration	List Price	Harris Sell Price
DCS-ADD-E1A	Upgrades a DCS-9530E to a DCS-9560E, or upgrades a DCS-9560E to a DCS-9565E. This package includes one CM-7, one MA-216, and one CA-414 DB-15 to DB-15 cable. For systems with DB-15 E1 connectors.	$2,330	$1,941.12
DCS-ADD-E1B	Upgrades a DCS-9530E to a DCS-9560E, or upgrades a DCS-9560E to a DCS-9565E. This package includes one CM-7, one MA-218, and two CA-415 BNC to BNC cables. For systems with BNC E1 connectors.	$2,330	$1,941.12

Intraplex Accessories, Cables and Power Supplies

Accessories and Cables

Order Code	Description	List Price	Harris Sell Price
8005	Talk battery for 230 volt AC installations	$350	$336.96
8050	Talk battery and ring generator for 115 volt AC installations	$515	$495.36
8103	Ring generator for 230 volt AC installations	$390	$374.40
CA-410	RS-530 adapter cable for MA-221	$60	$57.60
CA-411	G.703 cable for co-directional interface, 2 ft	$75	$72.00
CA-412	Cable for CM5 and CM-7 module redundancy. For use with MA-215, MA-217A or MA-	$30	$28.80
CA-413	V.35 DCE interface cable for DS-64NC	$120	$115.20
CA-414	DB-15 to DB-15 cable, 20 in	$90	$86.40
CA-415	BNC to BNC cable, 3 ft	$30	$28.80
CA-417	DB-15 to RJ-48C network interface adapter	$30	$28.80
CA-418	RJ-48C network interface cable, 6 ft	$15	$14.40

Power Supplies
All Intraplex multiplexers in a 3RU chassis include one power supply, and may be equipped with a second, identical
power supply for redundancy.

Order Code	Description	List Price	Harris Sell Price
PS-60AC	60W universal AC power supply	$800	$614.88
PS-5048	50W –48 volt DC power supply	$800	$614.88
PS-5024	50W –24 volt DC power supply	$800	$614.88
PS-5024+	50W +24 volt DC power supply	$800	$614.88
PS-100AC	100W universal AC power supply	$995	$764.64
PS-130AC	130W universal AC power supply	$1,150	$884.16

Common (Line Interface) Modules

Order Code	Description	List Price	Harris Sell Price
CM-5	T1 common module	$2,200	$1,692.00
CM-5F	T1 common module for use with fiber optic module adapters	$2,200	$1,692.00
CM-5TD	T1 common module with variable time delay capability	$2,900	$2,044.80
CM-7	E1 common module	$2,200	$1,692.00
CM-7F	E1 common module for use with fiber optic module adapters	$2,200	$1,692.00
CM-7TD	E1 common module with variable time delay capability	$2,900	$2,044.80
CM-95	T1 DCS processor module used in DCS-9530, DCS-9560 and DCS-9565 systems	$1,130	$941.76
CM-95E	E1 DCS processor module used in DCS-9530E, DCS-9560E and DCS-9565E systems	$1,130	$941.76
DCS-6A	T1 DCS module used in DCS-9530, DCS-9560 and DCS-9565 systems	$1,990	$1,657.44
DCS-6E	E1 DCS module used in DCS-9530E, DCS-9560E and DCS-9565E systems	$1,990	$1,657.44
TM-5	T1 auxiliary timing module (Uses MA-210)	$500	$416.16
TM-5E	E1 auxiliary timing module (Uses MA-211)	$500	$416.16

Channel Modules

Each channel module requires a module adapter to provide the payload circuit interface. Module adapters are not included in the module price.

Voice Modules for T1 Systems

Order Code	Description	List Price	Harris Sell Price
VF-15	Dual-channel two-wire FXO voice (Uses MA-303)	$775	$545.76
VF-16	Dual-channel two-wire FXS voice (Uses MA-303 or MA-304)	$715	$504.00
VF-17	Dual-channel two-wire ADPCM FXO voice (Uses MA-303)	$970	$684.00
VF-18	Dual-channel two-wire ADPCM FXS voice (Uses MA-303 or MA-304)	$970	$684.00
VF-25	Four-channel four-wire E&M voice (Uses MA-305)	$445	$313.92
VF-27	Four-channel four-wire ADPCM E&M voice (Uses MA-305)	$1,055	$743.04
VF-28	Four-channel four-wire transmit-only voice (Uses MA-301)	$525	$370.08
VF-29	Four-channel four-wire ADPCM transmit-only voice (Uses MA-301)	$1,095	$771.84

Voice Modules for E1 Systems

Order Code	Description	List Price	Harris Sell Price
VF-15E	Dual-channel two-wire FXO voice (Uses MA-303)	$775	$545.76
VF-16E	Dual-channel two-wire FXS voice (Uses MA-303 or MA-304)	$715	$504.00
VF-17E	Dual-channel two-wire ADPCM FXO voice (Uses MA-303)	$970	$684.00
VF-18E	Dual-channel two-wire ADPCM FXS voice (Uses MA-303 or MA-304)	$970	$684.00
VF-25E	Four-channel four-wire E&M voice (Uses MA-305)	$445	$313.92
VF-27E	Four-channel four-wire ADPCM E&M voice (Uses MA-305)	$1,055	$743.04
VF-28E	Four-channel four-wire transmit-only voice (Uses MA-301)	$525	$370.08
VF-29E	Four-channel four-wire ADPCM transmit-only voice (Uses MA-301)	$1,095	$771.84

Wideband Voice Modules for All Systems

Order Code	Description	List Price	Harris Sell Price
VF-75	Dual-channel wideband (7.5 kHz) voice module (Uses MA-506)	$2,695	$2,590.56

Combined Voice and Data Modules

Order Code	Description	List Price	Harris Sell Price
DV-201	Combined voice and data module - two 16 Kbps 4-wire ADPCM voice channels and one 9600 bps asynchronous data channel. Occupies a single 64 Kbps timeslot.	$2,795	$2,687.04

Channel Modules

Data Modules

Order Code	Description	List Price	Harris Sell Price
D-100	INFINITY data, RS-449, V.35, X.21, NICAM, or TTL (Uses MA-412, MA-413, MA-414, MA-415, MA-416, MA-420, MA-421 or MA-426)	$2,250	$1,874.88
DA-191A	Four-port asynchronous data to 19.2 kbps, RS-232 or RS-449 (Uses MA-404 or MA-418)	$850	$381.60
DA-191B	Four-port asynchronous data to 38.4 kbps, RS-232 or RS-449 (Uses MA-404 or MA-418)	$850	$381.60
DS-64NC	Wideband synchronous data, RS-449, V.35, or X.21 (Uses MA-412, MA-413, MA-414, MA-415, MA-420, or MA-421)	$1,020	$718.56
DS-562i	64 Kbps/56 Kbps synchronous data module, providing RS-449, G.703 Contra-directional, G.703 Co-directional, V.35, X.21. (Uses MA-406i, MA-407i, MA-408i, MA-409i, or MA-410i)	$495	$411.84
DS-961D	Five-port multi-rate RS-232 synchronous data (T1, VRM-3853, and ISDN). (Uses MA-404)	$950	$792.00
DS-961DE	Five-port multi-rate RS-232 synchronous data (E1 and VRM-3953). (Uses MA-404)	$950	$792.00

Video Modules and Packages

The video modules require the DS-64NC data module and its appropriate module adapter.

Order Code	Configuration	List Price	Harris Sell Price
VCP-1SP	PAL format simplex video codec module, module adapter, and cable assembly	$5,500	$6,336.00
VCP-1SN	NTSC format simplex video codec module, module adapter, and cable assembly	$5,500	$6,336.00
4174	2 NTSC video codec packages (two simplex encoder/decoder codec modules, two MA-800, two DS-64NC, two MA-412, two module adapter interconnect cable assemblies; NTSC format)	$11,700	$13,478.40
4175	2 PAL video codec packages (two simplex encoder/decoder codec modules, two MA-800, two DS-64NC, two MA-412, two module adapter interconnect cable assemblies; PAL format)	$11,700	$13,478.40

Module Adapters

For Common and Timing Modules

Order Code	Description	List Price	Harris Sell Price
MA-210A	Aggregate link (100 ohm DB-15), external riming, remote control interface (TM-4A)	$80	$76.32
MA-213M	T1 Fiber optic interface, 1300 nm multimode LED (CM-5F, CM-34A)	$1,975	$1,897.92
MA-213L	T1 Fiber optic interface, 1300 nm single mode laser (CM-5F, CM-34A)	$2,750	$2,643.84
MA-213LE	E1 Fiber optic interface, 1300 nm single mode laser (CM-7F)	$2,750	$2,643.84
MA-213ME	E1 Fiber optic interface, 1300 nm multimode LED (CM-7F)	$1,975	$1,897.92
MA-215	T1 (100 ohm) or E1 (120 ohm) interface with CSU, RJ-48C connector, external timing and remote control interface	$220	$168.48
MA-216	T1 (100 ohm) or E1 (120 ohm) interface with DB-15 connector, external timing and remote control interface for use in CrossConnect Servers	$120	$92.16
MA-217A	E1 (75 ohm) interface with BNC connectors, external timing and remote control interface	$220	$168.48
MA-217B	T1 (100 ohm) with CSU, or E1 (120 ohm) interface DB-15 connector, external timing and remote control interface	$220	$168.48
MA-218	E1 (75 ohm) interface with BNC connectors, external timing and remote control interface for use in CrossConnect Servers	$120	$92.16
MA-251	Module adapter for 3RU DCS (external timing, remote control and external inputs)	$320	$266.40
MA-255A	Module adapter for DCS providing two T1 or E1 interfaces with DB-15 connectors (3 MA-255As required per T1 or E1 CrossConnect chassis)	$180	$149.76
MA-255B	Module adapter providing two E1 interfaces with BNC connectors (3 MA-255Bs required per E1 CrossConnect chassis)	$180	$149.76
MA-255C	Module adapter providing three T1 or E1 interfaces with RJ-48C connectors (2 MA-255Cs required per E1 CrossConnect chassis)	$240	$200.16

Module Adapters

For Voice Modules

Order Code	Description	List Price	Harris Sell Price
MA-301	Four-channel voice — 50-pin Telco connector (VF-28, VF-28E, VF-29, VF-29E)	$140	$108.00
MA-303	Two-channel voice, RJ-11 (VF-15, VF-15E, VF-16, VF-16E, VF-17, VF-17E, VF-18, VF-18E)	$80	$61.92
MA-304*	Two-channel voice, RJ-11 with built-in ring generator (VF-16, VF-16E, VF-18, VF-18E)	$180	$138.24
MA-305	Four-channel voice, 50-pin telco (VF-25, VF-25E, VF-27, VF-27E)	$240	$184.32
MA-506	Two-channel voice, terminal strip (VF-75)	$140	$108.00

* If the multiplexer is DC-powered, MA-304 adapters may be used in place of MA-303s on a one-per-module basis with FXS modules to provide a ring generator. If the multiplexer is AC-powered, use MA-303 adapters, and include one Model 8050 (for 115 volt AC systems) or one Model 8005 and one Model 8103 (for 230 volt AC systems) for each multiplexer that contains any FXS modules.

For Data Modules

Order Code	Description	List Price	Harris Sell Price
MA-404	Five-port RS-232 interface (DA-191A, DA-191B, DS-961D, DS-961D)	$140	$116.64
MA-406i	RS-449 DCE/DTE interface (DS-562i)	$140	$116.64
MA-407i	G.703 Contra-directional interface (DS-562i)	$240	$200.16
MA-408i	G.703 Co-directional interface (DS-562i)	$240	$200.16
MA-409i	V.35 DCE/DTE interface (DS-562i)	$240	$200.16
MA-410i	X.21 interface (DS-562i)	$140	$116.64
MA-412	RS-449 DCE interface and timing output (D-100, DS-64NC)	$140	$116.64
MA-413	V.35 DCE interface and timing output (D-100, DS-64NC)	$140	$116.64
MA-414	RS-449 DTE interface and timing output (D-100, DS-64NC)	$140	$116.64
MA-415	V.35 DTE interface and timing output (D-100, DS-64NC)	$240	$200.16
MA-416	TTL DCE interface (D-100)	$240	$200.16
MA-417	Five-port RS-232 interface plus 10 contact closures (DS-966)	$240	$200.16
MA-418	Four-port RS-449 interface (DA-191A and DA-191B)	$140	$116.64
MA-420	X.21 DCE interface (D-100, DS-64NC)	$140	$116.64
MA-421	X.21 DTE interface (D-100, DS-64NC)	$140	$116.64
MA-426	NICAM 728 interface (D-100)	$240	$200.16
MA-427	10Base-B258T LAN interface module with bridging (DS-64NC)	$550	$457.92

For Combined Voice and Data Modules

Order Code	Description	List Price	Harris Sell Price
MA-601	Voice and data module adapter (DV-201)	$140	$133.92